

GEOLOGIC INVESTIGATIONS SERIES MAP I–2636 (SHEET 2 OF 2) Explanatory pamphlet accompanies map Data from published and unpublished information of N.M. Ratcliffe and T.R. Armstrong in the Cavendish, Ludlow, Andover, Chester, Springfield, Saxtons River, and Townshend quadrangles SIMPLIFIED FORM-LINE MAP OF THE CHESTER AND ATHENS DOMES SHOWING TACONIC SCHISTOSITY IN PRE-SILURIAN ROCKS, ACADIAN SCHISTOSITY IN SILURIAN AND DEVONIAN ROCKS, AND THE COMPOSITE NATURE OF ACADIAN FOLDS **EXPLANATION** ——— Major contact—See figure 2 in pamphlet Springfield syncline—See figure 2 in pamphlet Axial trace of Acadian folds—Folds range from open, upright folds easily classified as antiforms and synforms to complex folds having no regular geometry due to the highly folded nature of the folded schistosity and only general plunges are shown. Some folds are doubly plunging Antiform Synform Overturned antiform Overtured synform Complex fold with vertical axial surface Unclassified fold showing general plunge Form lines and dip direction of inclined Acadian foliations Form lines and dip direction of Taconian schistosity \_\_\_\_\_ Inclined Diagrammatic pattern for lightly plicated Taconian schistosity southeast of Athens dome

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2001

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For sale by U.S. Geological Survey, Information Services, Box 25286, Federal Center, Denver, CO 80225

